

To: Dana Backer[dbacker@blm.gov]; Matthew J Betenson[mbetenso@blm.gov]
From: Staszak, Cynthia
Sent: 2017-07-25T11:27:20-04:00
Importance: Normal
Subject: Fwd: Possible phone conference re: science permits in Utah BLM?
Received: 2017-07-25T11:28:11-04:00
Performance Report Format.doc
Research permit applic req blank 2017.docx
Research permit letter 2017.docx
Science & Research on GSENM - Permits.docx

Cindy Staszak
Monument Manager
Grand Staircase-Escalante National Monument
669 S. Hwy 89-A
Kanab, UT 84741
Office: 435 644-1240
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Fax: 435 644-1250

----- Forwarded message -----

From: **Staszak, Cynthia** <cstaszak@blm.gov>
Date: Tue, Jul 25, 2017 at 9:09 AM
Subject: Re: Possible phone conference re: science permits in Utah BLM?
To: Edwin Roberson <eroberso@blm.gov>
Cc: Abbie Jossie <ajossie@blm.gov>, Joann Perea-Richmann <jperearichmann@blm.gov>, "Bilbao, Anita" <abilbao@blm.gov>

Ed, Abbie & Anita:

GSENM has recently requested more information from both Grand Canyon Trust and Western Watershed Project on proposals they have submitted for research. Their requests were incomplete and did not fit the criteria for scientific research, as outlined in our long standing permit program. We requested that both entities complete the application in detail, including the purpose, objectives (hypothesis testing), methods, scope of work, etc. Neither GCT or WWP resubmitted the information requested.

Attached below are several standard documents used with the GSENM Science Permit program:

1. Science & Research on GSENM-Permits
2. Research Permit Application req blank
3. Research-permit-letter
4. Performance Report Format

Let me know if you need more detail on the GSENM Science Permit program

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On Mon, Jul 24, 2017 at 6:00 AM, Edwin Roberson <eroberso@blm.gov> wrote:

Cindy, please check out the emails below. Can you share any insights into Mary's concerns?
Ed

Sent from my iPhone

On Jul 21, 2017, at 5:58 PM, Abbie Jossie <ajossie@blm.gov> wrote:

I need some info before this call. I'll ask some questions - next week.

Eg: Did GSE or BE deny something ? Or a district ? Or USO.

Have a good weekend boss. Snow Basin is doing. Beer fest tomorrow.

Sent from my iPhone

On Jul 21, 2017, at 17:34, Roberson, Edwin <eroberso@blm.gov> wrote:

Joann, Would you work with Mary O'brien to set up a call or meeting the week of the 7th with me and Abbie. Thank you. ed

----- Forwarded message -----

From: Mary O'Brien <(b) (6)>

Date: Fri, Jul 21, 2017 at 11:48 AM

Subject: Possible phone conference re: science permits in Utah BLM?

To: Edwin Roberson <eroberso@blm.gov>

Cc: Aaron Paul <apaul@grandcanyontrust.org>

Hello, Ed,

I am wondering if I and Aaron Paul (Grand Canon staff attorney) can meet with you by phone (or in person if you wish) regarding the bases on which

Utah BLM
finds rejection of

science permit requests appropriate.

I head out for field work July 29-August 4, so might the following week (Aug 7-11) be possible?

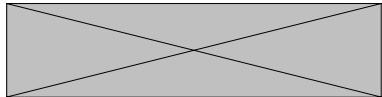
Please indicate several dates/times this conference call or in-person meeting might be possible. (Note that Aaron Paul is unlikely to be able to join except by phone most days, as his office is in Denver, Colorado).

Thank you,

Mary O'Brien

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Mary O'Brien
Utah Forests Program Director
Grand Canyon Trust
(b) (6) [REDACTED]
HC 64 Box 2604
Castle Valley UT 84532



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Ed Roberson,
Utah BLM State Director
Office Phone: 801-539-4010
Cell Phone: 801-641-3846
Website: <https://www.blm.gov/utah>

Scientific Research Program Requirements for Grand Staircase-Escalante National Monument. This section begins by answering the question, “What constitutes a scientific research project?” It then describes requirements for conducting scientific research and related educational activities on Grand Staircase-Escalante National Monument, including proposals by outside institutions or individuals to conduct work on the Monument or to use unpublished Monument-collected data in research programs; research programs that are carried out through a partnership between the Monument and research institutions or individuals; and research programs developed and implemented by Monument staff.

What constitutes a scientific research project?

A scientific research project is a project undertaken for the explicit purpose of broadening the understanding of the GSENM’s Proclamation-designated objects, values, and resources or improving management to achieve protection, conservation, and/or restoration goals.

These projects may include study, collection, or recordation of scientific information at high risk of damage or loss through disturbance or the passage of time; baseline data collection efforts focused on the biological, physical, cultural, and social sciences within the Monument; or applied research programs regarding the management of natural systems, including disturbance and recovery strategies, that support the adaptive management framework which underlies the Monument Management Plan.

Projects must meet accepted standards for the conduct of scientific research. While details of these standards vary from discipline to discipline, they always include: a clearly stated purpose and goals, and sufficient background information to place the project in the context of existing knowledge; a research design with data collection and analysis methods sufficiently well-defined to allow replication of the study; a summary and analysis of data collected; and conclusions supported by the data including management applications where applicable. Research designs may or may not include a hypothesis statement and formal methods of hypothesis testing, depending on the nature of the project.

Using unpublished, Monument-collected data

Although the data collected by Monument staff during inventory, monitoring, and other management activities are always available for public use, the GSENM is interested in tracking the use of Monument-collected data by outside researchers engaged in scientific research programs. When GSENM receives a request for data and determines that the primary use is for scientific research, GSENM will collect information on research topic, contact information for the associated research institution or individual, and expected publication venues. As part of the data request fulfillment process, GSENM will ask the researcher to credit GSENM with assistance on the project and agree to share research results with GSENM through submission of published materials, including electronic media and web publications. GSENM will include published research results in the GSENM electronic archive as these become available, and will consider acceptance of GSENM-collected data as acceptance of these conditions.

Scientific research project proponents

Scientific research may be conducted as either an internal project involving solely GSENM scientists, as an external project involving outside researchers, or as a collaboration between outside research institutions or individuals with GSENM scientists. External projects that receive funding from BLM are typically conducted under the auspices of an Assistance Agreement or Cooperative Agreement (in the case of projects with academic institutions, non-governmental organizations, or local or state governments) or an Interagency Agreement (in the case of projects with other federal agencies).

Requirements for conducting scientific research

Requirements for conducting scientific research on GSENM include project work plans, GSENM review, authorizations, data collection and curation, and dissemination of results.

Project Work Plans. For projects with the potential for ground disturbance, impacts to Monument objects, values, and resources, or the potential to conflict with other Monument uses or MMP decisions, GSENM requires the development of a project work plan. This plan must include sufficient information on project work routines, project work locations, work periods and timing, access routes, participant group sizes, required tools and equipment, and logistics to enable Monument staff to evaluate project compliance with the Monument Management Plan, and to analyze project impacts under NEPA, NHPA, and other applicable rules and regulations. The project work plan should include details of associated educational activities anticipated to take place on the Monument or in association with the dissemination of project results. The GSENM staff tasked as the coordinator will work with the proponent to develop the project work plan, facilitate any changes requested or required for MMP compliance, and represent the project to the Monument review teams.

GSENM Review and Coordination. GSENM staff will review all scientific research proposals to ensure that they comply with the MMP, and with all applicable laws and regulations. Proposals from outside research institutions and individuals can be brought to GSENM through any staff contact, but they will be reviewed and coordinated through the GSENM Science Program Administrator. Each proposal brought forward to GSENM, including outside proposals, solicited partnerships, and internal proposals, will be assigned a GSENM coordinator. The coordinator will serve as a primary point of contact for proposal development and implementation.

Some research projects may require NEPA review. Certain research is covered under a Departmental Categorical Exclusion (BLM NEPA Handbook Appendix 3, 1.6 “Nondestructive data collection, inventory (including field, aerial, and satellite surveying and mapping), study, research, and monitoring activities”), but must still be reviewed for Extraordinary Circumstances (*sensu* BLM NEPA Handbook Appendix 5). Other projects may require more extensive review, such as any project that includes surface disturbing activities. MMP requirements for surface disturbing projects are in MMP Appendix 2 (“Standard Procedures for Surface Disturbing Projects and Proposals”). NEPA review requirements will be determined as part of the special-use permitting process by the assigned coordinator reviewing the proposal permit in consultation with the Science Program Administrator and the NEPA Coordinator, and may include formal project initiation under NEPA (see NEPA Process Flow Chart).

Proposals initiated by GSENM staff will be prioritized by the Monument Leadership Team according to these priorities: 1) study, collection, or recordation of scientific information most at risk of loss through disturbance or the passage of time; 2) baseline data on the biological, physical, cultural, and social sciences within the Monument; 3) applied research conducted within the adaptive management framework regarding the management of natural systems on the Monument; 4) things which would be nice to know.

The GSENM will consider exceptions to the MMP decisions and prescriptions for extremely high-value research opportunities, especially where those opportunities may not be available elsewhere or where research projects are focused on protecting resources at risk.

If the GSENM review cannot find solutions to the proposed research plan that will enable the scientific research project to proceed without the use of equipment, surface disturbance, and/or personnel which exceed the management prescriptions for visitors and other users, the GSENM will consult the Monument Advisory Committee (MAC) on research proposals which may require restricted activities. The MAC will report to the GSENM on whether the proposed research can be permitted in a manner consistent with the protection of Monument resources, and whether the methods proposed are the minimum necessary to achieve the desired research objective.

Authorizations. All scientific research projects must operate under a valid authorization. This may take the form of a special-use permit, an interagency, assistance or cooperative agreement, an Archaeological Resources Protection Act (ARPA) permit, a Paleontological Resource Use Permit (PRUP), or some other resource-specific research permit as described below. The MMP requires all research and associated educational activities to be conducted under a special-use permit. GSENM will consider agreement documents, ARPA and PRUP permits, and other resource-specific research permits as special-use permits for the purpose of authorizing science research projects.

Special-use permits. Special-use permits will be issued when projects are not conducted under an interagency, cooperative, or assistance agreement, or under the authorization of an ARPA, PRUP, or other resource-specific permit. Special-use permits will also be issued where scientific research projects will require the use of equipment, surface disturbance, and/or personnel which exceed MMP management prescriptions for visitors and other users. In cases where these projects are also authorized through an agreement or resource-specific permit, a copy of that agreement or resource-specific permit will be attached to the special-use permit.

Special-use permits will identify the project scope, the project work plan, collection and curation standards, and publication, crediting requirements, and any requirements or limitations on dissemination of results. Special-use permits will include standard stipulations for reporting, outreach, coordination, NAGPRA compliance, camping, etc., and special conditions authorizing any collecting and/or use of Administrative Roads.

Agreements. GSENM will not finalize an assistance or cooperative agreement that involves a science research project until the project research design and project work plan has been reviewed and

approved by the GSENM. The agreement document will serve as the authorization for the science project.

ARPA, PRUP, and other resource-specific research permits. GSENM will not issue a permit under these authorities until the proponent has submitted an approved research design and project work plan. These permits will serve as the authorization for the science project.

The GSENM Science Program Administrator will maintain a log and file for each authorized science research project. This file will include the authorizing instrument (agreement or permit), and may include copies or links to financial information, interim or progress reports and final reports, publications, outreach products, and other information. The file will be maintained as paper and electronic formats. [This may be better in another section...]

Dissemination of results. Because a fundamental tenet of scientific research is communicating results, both to add to knowledge and to facilitate peer review, some form of presentation or publication is always part of a scientific research project. Results of scientific research and inventory data may be disseminated through interpretive displays, publications, forums, and public exhibition of objects and artifacts. All published research results should be shared with the GSENM and posted to the GSENM research archive. Researchers conducting work on the Monument under an authorization for scientific research are expected to acknowledge the assistance of the BLM; credit language will be included in all authorizing instruments. All researchers are also encouraged to consider educational outreach components as part of their research project; GSENM will facilitate educational opportunities and outreach where appropriate and feasible.

Data collection and curation standards. All research is required to meet data collection and data curation standards. Until Monument-specific data standards are adopted by the Monument Manager, research projects are required to meet all BLM data collection and curation standards. Where these have not yet been established, research should meet data standards as set by the professional disciplines involved.

Performance Reports

As a condition of receiving Federal funds, recipients are required to submit a performance report either annually, semi-annually, or quarterly to the Bureau of Land Management Assistance Representative and Assistance Officer. The purpose of a performance report is to summarize the work completed during the reporting period, describe work planned for the next period, and explain any challenges encountered or opportunities revealed.

Guidelines state that performance reports will include brief information on each of the following:

- (1) A comparison of actual accomplishments with the goals and objectives established for the period, the findings of the investigator, or both. Whenever appropriate and the output of programs or projects can be readily quantified, such quantitative data should be related to cost data for computation of unit costs.
- (2) Reasons why established goals were not met, if appropriate.
- (3) Other pertinent information including, when appropriate, analysis and explanation of cost overruns or high unit costs.

Following is a suggested performance report format. Submission of reports in other formats is acceptable.

**Performance Report
For the Period (insert date) through (insert date)**

Agreement Number:

Title:

Recipient Organization:

Recipient Principal Investigator/Project Manager:

Date of this Report:

Submitted by:

A. Goals and Accomplishments

Describe activities/tasks (1) initiated, (2) in progress, and (3) completed during the reporting period. State how the results of the activities/tasks relate to accomplishment of the overall goals and objectives of the agreement and agreement proposal. Describe any technical publications/reports and other products (digital databases, GIS coverages, etc) produced. Explain any unanticipated problems and how they were resolved or plan to be resolved. Describe successes achieved and unanticipated opportunities discovered.

B. Work Schedule

Address any changes to work schedule, why they occurred, and if the project will be completed on time.

C. Budget Information

Provide an overview of expenditures by budget category. Include accounting of BLM funds and recipient (and third-party, if applicable) cost sharing contributions. Explain any changes to the budget in the agreement and how these changes will impact the project.

D. Planned Activity for Next Reporting Period

Briefly describe the activities/tasks planned for the next reporting period (with the understanding that if all funds have been expended, future BLM financial support is subject to the availability of funds).



**Scientific Research and Collection Permit
Grand Staircase-Escalante National Monument**

Applicant Names:**Application Date:****Address:****State Permit Number (if applicable):****Federal Permit Number (if applicable):**

1. Is the research covered by an assistance agreement with this office and/or other BLM offices? If yes provide the number.

2. Description of research. Include as an attachment

Purpose and objectives

Methods/scope of work,

Area of activity including map of sampling locations (include UTMs if possible)

Collection dates

Names of individuals you would like on the permit

Vehicle identification (description, license plate)

Request for administrative road use

Anything special requests such as use of outfitter or pack animals

Deliverables

Public outreach and information dissemination

3. Contact information**Phone:****Cell:****Fax:****E-mail:****4. If collecting is authorized. Materials to be collected:** Repository Name, Address, and Contact information**For GSENM office use only below this line.****GSENM Number:** UT-YEAR-030-sequential number-subject**Issue Date:****Expiration Date:**

- | | | | | | |
|--|------------------------------|-----------------------------|-------------------------------|------------------------------|-----------------------------|
| 5. Specialist review complete? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | 9. Curation agreement? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Name: | Attach | | | | |
| 6. Complies w/ MMP? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | 10. Permit granted? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 7. In WSA status? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | 11. Permit extension? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 8. Special Stipulations? Attach | | | <input type="checkbox"/> Yes | <input type="checkbox"/> No | |
| | | | additional stipulations | | |

Authorization. Permission is hereby given to the above named individual to collect material(s) specified in the approved research proposal, within the guidelines of permit stipulations outlined below.

By:

Cynthia Staszak
Monument Manager

Date

I have read and agree to the stipulations of this permit.

By:

Science Permittee Name

Date

STANDARD RESEARCH PERMIT STIPULATIONS

We ask that you follow all **Leave No Trace Principles** (<https://lnt.org>) and the following.

1. This permit may not be assigned to any other institution, group, or individual. Any modifications to the permit must be requested in writing to the Science Program Administrator.
2. This permit is valid only for the period specified. The permit may be suspended or modified at the discretion of the Monument Manager. Field work under this permit may be halted temporarily by either verbal or written notice from the Monument Manager or other Authorized Officer for violations of permit terms and conditions or for administrative purposes of the BLM.
3. All terms and conditions of this permit shall remain in effect, including reporting requirements, until all permit terms and conditions have been met, regardless of permit expiration date.
4. A copy of this permit must be carried by the individual in direct charge of field work during the course of all work conducted under permit.
5. This permit shall not be exclusive in character, and the Bureau of Land Management reserves the right to authorize other uses of the land during the tenure of this permit. Field work shall be carried out in such a manner as to not impede other legitimate uses of the Monument, except when a provision has been made by the Monument Manager or delegated representative.
6. The Department of Interior, including its bureaus and employees, shall be held blameless for any and all events, deeds, or mishaps, regardless of whether or not they arise from operations under this permit.
7. Field schedule must be coordinated with the Science Program Administrator or a designated representative in advance of field work.
8. The Monument Manager, and /or designated representatives shall have access to the study area during or after performance of field work, and shall have the right to inspect all materials removed.
9. Any stakes, flagging, or other temporary materials used to identify localities in the field shall be removed upon completion of field activity. No permanent survey monuments or markers shall be disturbed or removed during the course of field work
10. Unless otherwise agreed, all costs shall be borne by the permittee, including costs of curation.
11. Interpreting and sharing the science conducted on GSENM with staff, volunteers and the public, is critical. There shall be a public outreach component for each research project. Recommendations or opportunities for public presentations, a field trip, or the something similar shall be coordinated with the Science Program Administrator.
12. Collections, if authorized, of materials acquired from public lands under the provisions of this permit remain the property of the United States Government and may be recalled at any time for use by the BLM. A designated repository for this project is not necessary. Any recall or transfer of material will be coordinated by BLM with the designated repository. Public display of material collected under this permit shall cite Grand Staircase-Escalante National Monument, Bureau of Land Management, Utah.
13. Grand Staircase-Escalante National Monument, and the BLM, Utah shall be cited in any report, publication, paper, news article, film, television program or other media, resulting from field work under

this permit. Copies of such documents shall be provided to the Grand Staircase-Escalante National Monument Headquarters. To assist in producing the best possible science, you are encouraged to forward manuscripts for review to the Science Program Administrator prior to submitting them for publication.

14. Access to research site(s) is authorized only across BLM administered lands. Use of private lands or lands administered by another agency must be secured separately.

15. A report of all activities conducted under this permit shall be prepared by December 31 of each year during the tenure of the permit. This report will be submitted to the Monument Headquarters, in care of the Science Program Administrator. The report shall include a catalog of all specimens collected, if authorized, a description of work accomplished, results, copies of datasets (with FGDC compliant metadata for final reports) and any recommendations for future research or management activities.

16. For any collections that will be curated, a list of all specimens collected must be provided in the annual report to the Science Program Administrator. Each specimen must contain the following information: scientific name, description, collection location (latitude / longitude or UTM Zone 12, NAD83), collection number, and facility's accession number. Provide the curation facility, address, and a point of contact at the facility.

17. Pursuant to the Native American Graves Protection and Repatriation Regulations at 43 CFR 10.4, the permittee shall notify the Science Program Administrator or Monument Manager immediately upon the inadvertent discovery of human remains, funerary objects, sacred objects, or objects of cultural patrimony, with written confirmation. All work in the vicinity must and reasonable efforts shall be made to protect the remains pending BLM action. Activities may resume within 30 days of receipt of the written confirmation of notification unless the situation is resolved sooner.

18. Commercially provided services such as transportation, cooking and packing must be sought from outfitters authorized by the Monument. For a current list of outfitters, please contact Science Program Administrator at 435-644-1257 or dbacker@blm.gov.

19. Please be aware of current hunting activities and locations by visiting www.wildlife.ut.gov.

Camping

1. Overnight camping in the Monument requires a permit. Currently, permits are free of charge and may be obtained at Visitor Centers or at designated trailheads Camping restrictions described in the GSENM Management Plan, p. 35, must be followed. The GSENM Management Plan is available on line https://www.blm.gov/nlcs_web/sites/style/medialib/blm/ut/grand_staircase-escalante/planning/monument_management.Par.83655.File.dat/GSENM%20Management%20Plan.pdf

2. No camping within 300 feet of an isolated water source (i.e., seep, spring, pond, rock pool, water pocket).

3. Permittee will maintain all premises to standards of repair, orderliness, neatness, and sanitation acceptable to the Monument. Camp areas will be regularly cleaned and no trash or litter will be allowed to accumulate.

Fire

1. Campfires are not allowed in the Escalante and Paria/Hackberry Canyons, No Mans Mesa, nor in archaeological sites, rock shelters and alcoves throughout the Monument.

2. In the Front country and Passage Zones, campfires are allowed only in designated fire grates,

designated fire pits, or mandatory fire pans. Wood collection for campfires is not allowed. Burn all wood and coals to ash, put out campfires completely; leave cool ashes.

3. In the Outback and Primitive Zones campfires are allowed. Use an existing fire ring instead of building a new one. The use of fire pans is encouraged. Only dead and down wood can be collected. Burn all wood and coals to ash, put out campfires completely, scatter cool ashes, and restore the area to a natural condition before leaving.

Group Size Limits

1. Group size is limited to 25 people in the Passage and Outback Zones including guides.
2. Group size within the Primitive Zone is limited to 12 people and 12 pack animals including guides, however within the Paria River corridor in the Primitive Zone group size is limited to 25 people including guides.
3. Group size limits cannot be achieved by staggering individual groups along a single route by time or distance. Instead, individual groups must comply with group size limits by utilizing separate and unique routes, or by traveling from opposite ends of a single route. If traveling from opposite ends of a single route, groups may pass each other, however they cannot gather at a single location.

Wilderness Study Areas

1. Permittee is responsible for knowing the location of wilderness and wilderness study areas (WSA) comply with the restrictions that apply to such areas. Maps and information concerning restrictions are available at the Monument website

Transportation and Access

1. All machinery (street legal motorized vehicles, non-street legal all-terrain vehicles, dirt bikes etc.) that has been used outside the Monument must be cleaned prior to use in the Monument, to prevent the possible introduction and spread of noxious weeds.
2. Motorized or mechanized vehicles may pull off designated routes no more than 50 feet for direct access to dispersed camping areas in the Outback Zone, except in Wilderness Study Areas, endangered plant areas, relict plant areas and riparian areas.
3. Access onto the Monument will be along defined roads listed on the transportation map in the Grand Staircase- Escalante National Monument Management Plan.
4. Cross-country motorized travel on the Monument is prohibited. All motorized and mechanized (bicycles, deer carts) vehicles must stay on designated roads while traveling in the Monument.
5. Permittee shall not construct new trails, or maintain existing trails without written authorization from the Monument.
6. The permittee shall not use paint or flagging, or construct cairns to mark trails, unless specifically allowed by this permit.

Sanitation and Aesthetics

1. Burning and burying food waste are prohibited.
2. Utilize a portable self-contained toilet system when less than 300 feet from water sources, campsites, and trails. All human waste must be packed out and disposed of at a certified disposal site.

3. If a small portable toilet cannot be used, deposit solid human waste in catholes dug 4 to 6 inches deep at least 300 feet from water sources, camp, and trails. Cover and disguise the cathole when finished. Never dig a cathole under an overhang or shelter.

4. If camping in one location for multiple days, a trench may be dug to dispose of human waste. To dig a trench, start with a cathole dug 4 to 6 inches deep and expand it in one direction as additional people use it; soil dug from the trench should be used to cover the feces.

5. To wash yourself or your dishes, carry water 300 feet away from water sources and use small amounts of biodegradable soap. Scatter strained dishwater and pack out remaining food particles.

Supplemental Stipulations for Permittees using Riding or Pack Animals

1. Horses or other pack animals are not allowed in relict plant communities, archaeological sites, rock shelters, or alcoves. Sheep species will not be allowed for pack use.

2. Weed free hay, straw and non-germinable grains may be used to feed and bed livestock, or be placed in the bottom of stock carrying vehicles.

File no: xxxx

Letter Head**PI**
Institution
Address

Dear PI

Enclosed you will find your formal research permit for Grand Staircase-Escalante National Monument (GSENM), as requested. The permit is effective [FROM] and expires [Date]. As noted in the permit and correspondence, this permit authorizes the [BLANK] for your research. If you require additional [example: *vertebrate fossil material, you must either obtain a paleontological resources use permit, or collect the material under Dr. Titus' authority (in which case, either Dr. Titus or Scott Richardson must be present).*]

We look forward to having you conduct research at GSENM. Please look over the details of the stipulations for doing work on the Monument and become familiar with your responsibilities. Please sign the research permit and return it to the Science Program Administrator. Please notify us of your field schedule. Note that you are required to carry your permit with you at all times when working on the Monument. Also, please contact one of our visitor centers to inquire about current weather and road conditions.

Your research will contribute to a growing body of knowledge that will inform management and contribute to the appreciation of the unique resources on the Monument. As part of our effort to promote science on the Monument, we ask that you prepare a short presentation or other public education outreach to be given at one of the visitor centers or prepare a research brief that can be shared with the staff, volunteers, and visitors. Examples can be made available upon request. Please send the required annual progress report and monitoring results, including copies of any publications, by December 31 of each year.

If you have further questions please contact Dana Backer, Science Program Administrator by phone at 435-644-1257 or email dbacker@blm.gov.

Sincerely,

Cynthia Staszak
Monument Manager

Enclosures: Research permit
 Standard permit stipulations
 Map
 Table of plot locations